

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Jian-Bing Fan, Joel N. Hirschhorn, Xiaohua Huang, Paul Kaplan, Eric S. Lander,
David J. Lockhart, Thomas Ryder, and Pamela Sklar
Division of: U.S. Appl. No. 09/536,841, Filed on March 27, 2000
Title: UNIVERSAL ARRAYS

Date: <u>12/8/03</u> EXPRESS MAIL LABEL NO. <u>EV21573112US</u>
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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.129(a), or
(First/Second submission after Final Rejection)
- ☒ under 37 CFR 1.97(b), or
(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).
- ☐ under 37 CFR 1.97(c) together with either:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, or
- ☐ a \$180.00 fee under 37 CFR 1.17(p), or
(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, and
- ☐ a \$180.00 fee under 37 CFR 1.17(p), or
(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)
- ☐ under 37 CFR 1.97(i):
Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper.
(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.
- ☒ Enclosed herewith is form PTO-1449:
 - ☐ A copy of cited reference AG2 is enclosed.
 - ☐ Since this application was filed after June 30, 2003, copies of issued U.S. patents and published U.S. applications are not required and are not being provided.
 - ☒ Copies of the cited references are enclosed except those (AA-AK, AA2-AF2, AH2, AI2, AL-AQ, AL2-AQ2, AL3-AQ3, AL4-AM4 and AR-AX) entered in prior application; U.S. Application No. 09/536,841, to which priority under 35 U.S.C. 120 is claimed. The earlier application contains copies of the cited references.
 - ☐ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.
 - ☐ The "concise explanation" requirement (non-English references) for reference(s) [] under 37 CFR 1.98(a)(3) is satisfied by:
 - ☐ the explanation provided on the attached sheet.
 - ☐ the explanation provided in the Specification.
 - ☐ submission of the enclosed International Search Report.
 - ☐ submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.
 - ☐ the enclosed English language abstract.

☐ Applicant requests that the following non-published pending applications be considered:

Examiner's
Initials

____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []

Examiner

Date

☐ A copy of each above-cited application, including the current claims, is enclosed.

☐ A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

Method of payment:

☐ A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.

☐ Please charge Deposit Account 08-0380 in the amount of \$[]. A copy of this Statement is enclosed.

☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By Lisa M. Treannie

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Concord, MA 01742-9133

Dated:

12/8/03

PTO-1449 REPRODUCED INFORMATION DISCLOSURE CITATION IN AN APPLICATION December 8, 2003 (Use several sheets if necessary)	ATTORNEY DOCKET NO. 2825.1016-007	APPLICATION NO. Div. of 09/536,841	
	FIRST NAMED INVENTOR Jian-Bing Fan		FILING DATE December 8, 2003
	EXAMINER To be determined	CONFIRMATION NO.	GROUP

U.S. PATENT DOCUMENTS				
EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
	AA	5,922,574	7/13/1999	Minter
	AB	5,762,876	6/9/1998	Lincoln, <i>et al.</i>
	AC	5,888,819	3/30/1999	Goelet, <i>et al.</i>
	AD	5,846,710	12/8/1998	Bajaj
	AE	5,981,176	11/9/1999	Wallace
	AF	5,856,092	1/5/1999	Dale, <i>et al.</i>
	AG	5,710,028	1/20/1998	Eyal, <i>et al.</i>
	AH	5,525,494	6/11/1996	Newton, C.R.
	AI	5,650,277	7/22/1997	Navot, <i>et al.</i>
	AJ	5,635,400	6/3/1997	Brenner, S.
	AK	5,882,856	3/16/1999	Shuber, A.P.
	AA2	5,763,175	6/9/1998	Brenner, S.
	AB2	5,695,934	12/9/1997	Brenner, S.
	AC2	5,863,722	1/26/1999	Brenner, S.
	AD2	5,846,719	12/8/1998	Brenner, S., <i>et al.</i>
	AE2	5,800,992	9/1/1998	Fodor, S., <i>et al.</i>
	AF2	6,013,445	1/11/2000	Albrecht, G., <i>et al.</i>
	AG2	5,935,793	8/10/1999	Wong
	AH2	5,459,038	10/17/1995	Reed, <i>et al.</i>
	AI2	6,251,247 B1	6/26/2001	Mitsubishi, <i>et al.</i>
	AJ2			
	AK2			
	AA3			
	AB3			
	AC3			

EXAMINER	DATE CONSIDERED
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	EXAMINER To be determined	CONFIRMATION NO.	GROUP

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANSLATION YES NO	
	AL	WO 98/56954	12/17/1998	PCT		
	AM	WO 99/27137	6/3/1999	PCT		
	AN	WO 91/02087	2/21/1991	PCT		
	AO	WO 98/58529	12/30/1998	PCT		
	AP	WO 98/59066	12/30/1998	PCT		
	AQ	WO 97/35033	9/25/1997	PCT		
	AL2	WO 93/25563	12/23/1993	PCT		
	AM2	WO 91/13075	9/5/1991	PCT		
	AN2	0 371 437 B1	2/21/1996	EP		
	AO2	WO 98/15644	4/16/1998	PCT		
	AP2	WO 97/31256	8/28/1997	PCT		
	AQ2	EP 0 799 897 A1	10/8/1997	EP		
	AL3	EP 0 416 817 A2	3/13/1991	EP		
	AM3	GB 2 312 747 A	11/5/1997	UK Great Britain		
	AN3	WO 96/41011	12/19/1996	PCT		
	AO3	WO 96/41012	12/19/1996	PCT		
	AP3	WO 98/44152	10/8/1998	PCT		
	AO3	WO 00/47767	8/17/2000	PCT		
	AL4	WO 99/10538	4/3/1999	PCT		
	AM4	2,170,950	9/5/1997	CIPO		
	AN4					
	AO4					
	AP4					
	AQ4					

EXAMINER	DATE CONSIDERED
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	FIRST NAMED INVENTOR Jian-Bing Fan		FILING DATE December 8, 2003	
	EXAMINER To be determined		CONFIRMATION NO.	GROUP

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
AR	Hacia, J., "Resequencing and mutational analysis using oligonucleotide microarrays," <i>Nature Genetics Supplement</i> 21:42-47 (1999).	
AS	Gerry, et al., "Universal DNA Microarray Method for Multiplex Detection of Low Abundance Point Mutations", <i>J. Mol. Bio.</i> , 292: 251-262 (1999).	
AT	Hirschhorn, J. N., et al., "SBE-TAGS: An Array-based Method for Efficient Single-nucleotide Polymorphism Genotyping," <i>Proc. Natl. Acad. Sci.</i> , 97(22):12164-12169 (2000).	
AU	Pastinen, T., et al., "Minisequencing: A Specific Tool for DNA Analysis and Diagnostics on Oligonucleotide Arrays," <i>Genome Research</i> , 7:606-614 (1997).	
AV	Ugozzoli, et al., "Detection of Specific Alleles by Using Allele-Specific Primer Extension Followed by Capture on Solid Support," <i>GATA</i> 9(4):107-112 (1992).	
AW	Shumaker, J.M. et al., "Mutation Detection by Solid Phase Primer Extension," <i>Human Mutation</i> 7:346-354 (1996).	
AX	<i>The Stratagene Catalog</i> , p. 39 (1988).	
AY		
AZ		
AR2		
AS2		
AT2		
AU2		
AV2		
AW2		

EXAMINER	DATE CONSIDERED
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